

Application No. 09/617,340
Amendment Dated July 2, 2003
Reply to Office Action dated May 22, 2003

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 8,
1. (Cancelled).
 2. (Cancelled).
 3. (Cancelled).
 4. (Cancelled).
 5. (Cancelled).
 6. (Cancelled).
 7. (Cancelled).
 8. (Cancelled).
 9. (Cancelled).
 10. (Cancelled).
 11. (Cancelled).
 12. (Cancelled).
 13. (Cancelled).
 14. (Cancelled).
 15. (Cancelled).
 16. (Cancelled).
 17. (Cancelled).

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18. (Cancelled).

19. (Cancelled).

20. (Cancelled).

21. (Cancelled).

22. (Cancelled).

23. (Cancelled).

24. (Cancelled).

25. (Cancelled).

26. (Cancelled).

27. (Cancelled).

28. (Cancelled).

29. (Currently Amended) A syringe comprising:

a barrel having a liquid drug reservoir therein, the barrel having a first end and a second end,
the drug reservoir having a piston slidingly engaged therein;

a needle assembly mounted at the first end of the barrel, the needle assembly holding a
needle;

an energization source, located at the second end of the barrel;

a nozzle sleeve moveably mounted at the first end of the barrel from a first position where
the tip of the needle is concealed by the nozzle sleeve to a second position where the tip of the needle
is exposed, to an activation position, wherein when the nozzle sleeve is initially pressed against an

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injection site, the nozzle sleeve moves within the barrel from the first position to the second position, and the tip of the needle penetrates the injection site, and when the sleeve moves from the second position to the activation position, said energization source is activated to move said piston which drives a liquid from the reservoir.

30. (Cancelled).

31. (Previously Amended) The syringe of claim 29, wherein the energizing source is a gas generator.

32. (Original) The syringe of claim 31, wherein the gas generator includes a first chamber containing a citric acid solution and a second chamber containing a sodium bicarbonate solution.

33. (Original) The syringe of claim 31, wherein the gas generator includes a first chamber containing a carbon dioxide solution and a second chamber containing dry ice pellets.

34. (Previously Amended) The syringe of claim 29, further comprising an actuator extending adjacent to and in communication with the energizing source, the actuator activating the energy source to push the piston.

35. (Original) The syringe of claim 29, further comprising a flexible retractor located between the needle assembly and the nozzle sleeve, the flexible retractor biasing the nozzle sleeve to the first position.

36. (Original) The syringe of claim 35, wherein the retractor is a helical compression spring.

37. (Original) The syringe of claim 29, wherein the nozzle sleeve moves axially and rotationally relative to the barrel between the first position and second position.

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38. (Original) The syringe of claim 37, wherein the nozzle sleeve further includes a channel extending along an exterior wall of the sleeve, and the barrel further includes a peg extending inward from an inner wall of the barrel, the channel receiving the peg to cause relative rotational movement during relative axial movement between the barrel and sleeve, and having a shape that maintains the sleeve in a locked position to prevent further exposure of the needle after extraction of the fluid.

Please cancel Claims 39-82.
